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SHEET 1 OF 4

<b>INFORMATION DISCLOSURE CITATION</b>  PTO-1449				ATTORNEY'S DKT NO. 021565-060		APPLICATION NO. <del>Unassigned</del> 09/287,632	
				APPLICANT Waterhouse et al.			
				FILING DATE April 7, 1999		GROUP <del>Unassigned</del> 1635	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
KAL	5,034,323	07/1991	Jorgensen et al.	X	X		
I	5,231,020	07/1993	Jorgensen et al.				
	5,283,184	02/1994	Jorgensen et al.				
	5,190,931	03/1993	Inouye				
	5,365,015	11/1994	Grierson et al.				
	5,597,718	01/1997	John et al.				
	5,530,192	06/1996	Murase et al.				
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
KAL	WO98/05770	12 Feb 1998		X	X		
	WO92/13070	01-1992					
	WO93/23551	11-25-1993					
	WO97/13865	04-17-1997					
	WO92/21757	12-10-1992					
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
KAL	Barry et al. "Methylation Induced Premeiotically in <i>Ascomolus</i> : Coextension with DNA Repeat Lengths and Effect on Transcript Elongation" <i>Proc Natl Acad Sci</i> 90:4557-4561 (1993)						
	Baulcomb "Mechanisms of Pathogen-Derived Resistance to Viruses in Transgenic Plants" <i>Plant Cell</i> 8:1833-1844 (1996)						
	Braun and Hemenway "Expression of Amino-Terminal Portions or Full-Length Viral Replicase Genes in Transgenic Plants Confers Resistance to Potato Virus X Infection" <i>Plant Cell</i> 4:735-744 (1992)						
	Brederode et al. "Replicase-Mediated Resistance to Alfalfa Mosaic Virus" <i>Virology</i> 207:467-474 (1995)						
	Carr et al. "Resistance to Tobacco Mosaic Virus Induced by the 54-kDa Gene Sequence Requires Expression of the 54-kDa Protein" <i>Mol. Plant-Microb. Interact.</i> 5:397-404						
EXAMINER	Kare P. Lomax			DATE CONSIDERED 07-11-2002			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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						Yes	No
KAC	WO93/10251	05-27-1993		X	X		
	WO94/17194	08-04-1994					
	WO91/16440	10-31-1991					
	WO91/16426	10-31-1991					
	WO92/17596	10-15-1992					
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
KAC	de Carvalho Niebel et al. "Post-Transcriptional Cosuppression of -1,3-Glucanase Genes Does Not Affect Accumulation of Transgene Nuclear mRNA" <i>Plant Cell</i> 7:347-358 (1995)						
	English et al. "Suppression of Virus Accumulation in Transgenic Plants Exhibiting Silencing of Nuclear Genes" <i>Plant Cell</i> 8: 179-188 (1996)						
	Fire et al. "Potent and Specific Genetic Interference by Double-Stranded RNA in <i>Caenorhabditis elegans</i> " <i>Nature</i> 391:806-811 (1998)						
	Goodwin et al. "Genetic and Biochemical Dissection of Transgenic RNA-Mediated Virus Resistance" <i>Plant Cell</i> 8:95-105 (1996)						
	Hobbs et al. The Effect of T-DNA Copy Number, Position and Methylation on Reporter Gene Expression in Tobacco Transformants" <i>Plant Mol. Biol.</i> 15:851-864 (1990)						
	Ingelbrecht et al. "Posttranscriptional Silencing of Reporter Transgenes in Tobacco Corrects with DNA Methylation" 91:10502-10506 (1994)						
	Kawcheck et al. "Sense and Antisense RNA-Mediated Resistance to Potato Leafroll Virus in Russet Burbank Potato Plants" 4:247-253 (1991)						
	Lindbo & Dougherty "Pathogen-Derived Resistance to a Potyvirus: Immune and Resistant Phenotypes in Transgenic Tobacco Expressing Altered Forms of a Potyvirus Coat Protein Nucleotide Sequence" <i>Mol. Plant Micr. Int</i> 5:144-153 (1992a)						
	Lindo & Dougherty "Untranslatable Transcripts of the Tobacco Etch Virus Coat Protein Gene Sequence Can Interfere With Tobacco Etch Virus Replication in Transgenic Plants and Protoplasts" <i>Virology</i> 189:725-733 (1992b)						
	Lindbo et al. "Induction of a Highly Specific Antiviral State in Transgenic Plants: Implications for Regulation of Gene Expression and Virus Resistance" <i>Plant Cell</i> 5:1749-1759 (1993)						
EXAMINER	Karen DeComiere			DATE CONSIDERED 67-11-2002			

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						Yes	No
KAL ↓ ↓ ↓ ↓	WO92/04456	63-19-1992					
	WO94/29465	12-22-1994					
	WO89/10396	11-02-1989					
	WO92/18625	10-29-1992					
	WO97/16559	05-09-1997					
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
KAL ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	Longstaff et al. "Extreme Resistance to Potato Virus X Infection in Plants Expressing a Modified Component of the Putative Viral Replicase" <i>EMBO J.</i> 12:379-386 (1993)						
	Metzlaff et al. "RNA-Mediated RNA Degradation and Chalcone Synthase A Silencing in Petunia" <i>Cell</i> 88:845-854 (1997)						
	Mueller et al. "Homology-Dependent Resistance: Transgenic Virus Resistance in Plants Related to Homology-Dependent Gene Silencing" <i>Plant J.</i> 7:1001-1003 (1995)						
	Pang et al. "Post-transcriptional Transgene Silencing and Consequent Tospovirus Resistance in Transgenic Lettuce are Affected by Transgene Dosage and Plant Development" <i>Plant J.</i> 9:899-909 (1996)						
	Powell-Abel et al. "Delay of Disease Development in Transgenic Plants that Express the Tobacco Mosaic Virus Coat Protein Gene" <i>Science</i> 232:738-743 (1986)						
	Powell et al. "Protection Against Tobacco Mosaic Virus Infection in Transgenic Plants Requires Accumulation of Coat Protein Rather than Coat Protein RNA Sequences" <i>Virology</i> 175:124-130 (1990)						
	Que et al. "Distinct Patterns of Pigment Suppression are Produced by Allelic Sense and Antisense Chalcone Synthase Transgenes in Petunia Flowers" <i>The Plant Journal</i> 13:401-409 (1998)						
	Schiebel et al. "RNA-Directed RNA Polymerase From Tomato Leaves" <i>Journal of Biological Chemistry</i> 268:11851-11857 (1993a)						
	Schiebel et al. "RNA-Directed RNA Polymerase From Tomato Leaves" <i>Journal of Biological Chemistry</i> 268:11858-11867 (1993b)						
	Smith et al. "Transgenic Plant Virus Resistance Mediated by Untranslatable Sense RNAs: Expression, Regulation, and Fate of Nonessential RNAs" <i>Plant Cell</i> 6:1441-1453 (1994)						
EXAMINER <i>Karen A. Lacombe</i>				DATE CONSIDERED 07-11-2002			

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						Yes	No
KAL	WO92/11375	07-09-1992					
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	WO95/07993	03-23-1995					
	WO93/05159	03-18-1993					
	WO94/09143	04-28-1994					
	WO91/02069	02-21-1991					
	WO94/18337	08-18-1994					
	EP 0240208	10-07-1987					
	EP 0647715	09-12-1995					
	EP 0223399	05-27-1987					
	EP 0467349	01-22-1992					
	EP 0522880	01-13-1993					
	EP 0779364	06-18-1997					

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

KAL	Stam et al. "The Silence of Genes in Transgenic Plants" <i>Ann. Botan.</i> 79:3-12 (1997)
KAL	Wagner and Sun "Double-Stranded RNA Poses Puzzle" <i>Nature</i> 391:744-745 (1998)
EXAMINER	DATE CONSIDERED
Karen P. Lacombe	07-11-2002

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